

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M97551
Date Received: 12/01/05
Date Extracted: 12/02/05
Date Analyzed: 12/02/05
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro Self Monitor, PO# M97551
Lab ID: 512005-01 10x
Data File: 512005-01 10x.020
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	77	60	125
Yttrium	75	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	694
Nickel	198
Copper	353
Zinc	25.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro Self Monitor, PO# M97551
Date Extracted:	12/02/05	Lab ID:	I5-331 mb
Date Analyzed:	12/02/05	Data File:	I5-331 mb.012
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	92	60	125
Yttrium	80	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<50
Nickel	<10
Copper	<10
Zinc	<10

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 12/06/05

Date Received: 12/01/05

Project: Metro Self Monitor, PO# M97551, F&BI 512005

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR METALS BY EPA METHOD 200.8**

Laboratory Code: 510313-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	10.5	7.50	a	0-20
Nickel	ug/L (ppb)	1.26	1.03	20	0-20
Copper	ug/L (ppb)	25.2	25.2	0	0-20
Zinc	ug/L (ppb)	21.8	21.8	0	0-20

Laboratory Code: 510313-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	10.5	93	50-150
Nickel	ug/L (ppb)	20	1.26	87	50-150
Copper	ug/L (ppb)	20	25.2	100	50-150
Zinc	ug/L (ppb)	50	21.8	94	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	94	70-130
Nickel	ug/L (ppb)	20	75	70-130
Copper	ug/L (ppb)	20	78	70-130
Zinc	ug/L (ppb)	50	100	70-130

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

December 6, 2005

DUPLICATE COPY

INVOICE # 05ACU1206-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M97551, F&BI 512005 - Results of testing
requested by Gerry Thompson for material submitted on December 1, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID #(b) (6)

512005

SAMPLE CHAIN OF CUSTODY

ME
EM 12-01-05

AI4

Send Report To Genard Thompson
 Company ALASKAN Copper works
 Address 628 S. Harbor St
 City, State, ZIP Seattle WA 98134
 Phone # 206-382-8777 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

METRO SELF monitor

PO #

M 97551

REMARKS

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	PC	Cu	Pb	Zn		
M 97551	01	12/1/05	12:00	H2O	1												

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	GENARD Thompson	ACW	12/1/05	1:05 PM
Received by: <u>Mr. Thompson</u>	Nhan Phan	FBI	12/1/05	1:05 PM
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

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December 6, 2005

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

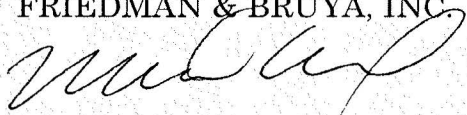
Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 1, 2005 from the Metro Self Monitor, PO# M97551, F&BI 512005 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU1206R.DOC